

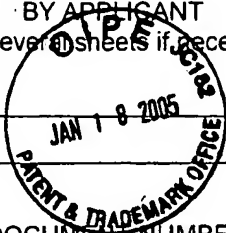
FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P23685Application No.
10/646,735

INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

(Use several sheets if necessary)

Applicant
Hiroshi NOMURAFiling Date
August 25, 2003Group
2851

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|----------|--------------|-------|----------|----------------------------------|
| <i>KQ</i> | 4 7 9 1 4 4 1 | 12/13/88 | NISHI et al. | | | |
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| | 5 7 1 5 4 8 2 | 02/03/98 | WAKABAYASHI | | | |
| <i>KQ</i> | 4 5 9 7 6 5 7 | 07/01/86 | WAKABAYASHI | | | |
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FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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| <i>KQ</i> | 1 | English Language Abstract of JP 8-313790. |
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| | 3 | English Language Abstract of JP 10-254054. |
| <i>KQ</i> | 4 | English Language Abstract of JP 2003-149723. |
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| | 1 | English language Abstract of JP 9-15682. |
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